

Course Code: AUTO-CMAD-9212

**Modality**

Instructor-Led Training (ILT)

**Duration**

3 Days

**Applicable Versions**

Control-M 9.0.21.200

**Target Audience**

- Administrators
- Consultants

## Course Overview

This course provides Administrators and Consultants with the theory and hands-on experience to install additional components and perform advanced tasks that are beyond everyday administration, which will help to secure and fine tune the Control-M environment.

This instructor-led training covers advanced tasks administrators are required to perform in Control-M such as Control-M Migration, Distributed Control-M/Enterprise Manager, Workload Archiving, Role-Based Administration, Remote Host with SSH, Administering Control-M using Automation API, Secure Sockets Layer (SSL) Configuration, and Housekeeping Activities.

## Recommended Trainings

- Control-M 21.x: Fundamentals Using (WBT)
- Control-M 21.x: Fundamentals Operating (ILT/ASP)
- Control-M 21.x: Fundamentals Administering (ILT/ASP)

## Learning Objectives

- Migrate Control-M/Enterprise Manager
- Migrate Control-M/Server
- Install Distributed Control-M/Enterprise Manager
- Describe Control-M Workload Archiving
- Install Control-M Workload Archiving
- Configure Control-M Workload Archiving Policies
- Configure Control-M Workload Archiving Disk Space and Cleanup Settings
- Explain the purpose of the Control-M Automation API
- Install the Control-M Automation API and Automation API Command Line Interface
- Use the Environment, Session, Authentication, Config, Provision, Usage Automation API Services and Control-M JSON files
- Generate Self Signed Certificates
- Configure SSL in Zones 1, 2 and 3
- Configure SSL with LDAP
- Perform health checking tasks for Control-M
- Monitor Control-M processes

## Course Modules

### Module 1: Control-M Migration

- Describe the BMC AMIGO Program
- Describe the Control-M/Enterprise Manager and Control-M/Server migration considerations and process
- Export/import the Control-M/Enterprise Manager data between environments
- Migrate Control-M/Server data manually or automatically
- Migrate Control-M Workload Archiving
- Implement post-Control-M/Server migration procedures
- Rename the Control-M/Server
- Connect the Gateway to the new Control-M/Server

### Module 2: Additional Distributed Control-M Enterprise Manager Installation

- Describe Distributed Control-M/EM
- Explain the use cases for Distributed Control-M/EMs
- List the compatible hardware and operating systems for a Distributed Control-M/EM
- Implement the Control-M/EM pre-installation steps
- Install a Distributed Control-M/EM
- Connect a load balancer to the Control-M/EM servers
- Configure a HostPort for each EM server component when there is a firewall in the environment

### Module 3: Control-M Workload Archiving

- Describe Control-M Workload Archiving and its purpose
- Explain the Control-M Workload Archiving installation process
- List the Control-M Workload Archiving installation prerequisites
- Install Control-M Workload Archiving
- Configure Control-M Workload Archiving Policies
- Configure Control-M Disk Space and Cleanup Settings
- Configure Workload Archiving System Parameters
- Perform an Archive Search

### Module 4: Role-based Administration

- Overview of Role-Based Administration
- Assigning Role-Based Administration

### Module 5: Administering Control-M Using Automation API

- Describe Control-M Automation API
- Explain how Control-M Automation API can be used to administer the Control-M environment
- List the prerequisites steps for getting started with the Control-M Automation API
- Install the required Automation API components
- Access the Automation API Documentation

- Identify and describe the Control-M Automation API Services
- Use the following Control-M Automation API Services Environment, Session, Authentication
- Understand how Control-M JSON is written and why it is used

### Module 6: Using the Automation API Config Service

- Use the Config Service to configure the Control-M environment

### Module 7: Using Automation API Provision and Usage Services

- Use the Provision Service to:
  - Install, uninstall, upgrade, downgrade and configure Control-M/Agents and Application Plug-ins
  - Install, configure and uninstall Control-M/Servers
- Use the Usage Service to generate a task usage report

### Module 8: SSL Configuration

- Generate certificates (both your own and self-signed)
- Describe the Zones 1, 2 and 3 SSL configuration processes
- Configure and enable SSL on the Control-M Web Server (Zone 1)
- Configure and enable SSL in Zones 2 and 3
- Disable SSL on Control-M components
- Configure SSL with LDAP

### Module 9: Control-M Health Checking

- Explain the Control-M Health Check process
- Implement Control-M process monitoring
- Identify key Control-M log files to parse for errors
- Examine the Control-M/Agent daily log
- Review and implement Control-M housekeeping jobs
- Implement a Control-M log file system cleanup process
- Review and implement Control-M performance tuning parameters
- Implement Control-M performance monitoring

#### Discount Options

Have multiple students? Contact us to discuss hosting a private class for your organization.

Contact us for additional information 

For more information about BMC Education Services, visit [www.bmc.com/education](http://www.bmc.com/education).